

15866  
U.S. PTO

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0039  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE.22390  
10/158663

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TI-35761 (1962-06800)
First Inventor	Zhenguo GU
Title	Unified Interleave/De-Interleaver
Express Mail Label No.	EV303423085US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- |  |  |
|--|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br/>(Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 34]<br/>(preferred arrangement set forth below)           <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 37]</p> <p>5. Oath or Declaration [Total Sheets 3]           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/>(for continuation/divisional with Box 18 completed)</li> <li>i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br/>Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:               <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> </p> |
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## ACCOMPANYING APPLICATION PARTS

- |  |   |
|--|---|
| <p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input type="checkbox"/> Other: .....</p> | <p><input type="checkbox"/> Power of Attorney</p> <p><input type="checkbox"/> Copies of IDS Citations</p> |
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No.: .....

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_  
For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number:	23494	<b>OR</b>	<input type="checkbox"/> Correspondence address below
Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	
Name (Print/Type)	Jonathan M. Harris	Registration No. (Attorney/Agent)	44,144
Signature			Date January 15, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,126.00)

## Complete if Known

Application Number	NOT YET ASSIGNED
Filing Date	CONCURRENTLY HEREWITH
First Named Inventor	Zhenguo GU
Examiner Name	UNKNOWN
Art Unit	UNKNOWN
Attorney Docket No.	EV303423085US

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account:

Deposit Account Number	20-0668
Deposit Account Name	Texas Instruments, Inc.

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 770.00)	

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fee from below	Fee Paid
Total Claims	28	-20** = 8	x 18.00	= 144.00
Independent Claims	5	- 3** = 2	x 86.00	= 172.00
Multiple Dependent				

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 316.00)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	2051	Surcharge - late filing fee or oath	
1052 50	2052 25	2052	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	1053	Non-English specification	
1812 2,520	1812 2,520	1812	For filing a request for ex parte reexamination	
1804 920*	1804 920*	1804	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	1805	Requesting publication of SIR after Examiner action	
1251 110	2251 55	2251	Extension for reply within first month	
1252 420	2252 210	2252	Extension for reply within second month	
1253 950	2253 475	2253	Extension for reply within third month	
1254 1,480	2254 740	2254	Extension for reply within fourth month	
1255 2,010	2255 1,005	2255	Extension for reply within fifth month	
1401 330	2401 165	2401	Notice of Appeal	
1402 330	2402 165	2402	Filing a brief in support of an appeal	
1403 290	2403 145	2403	Request for oral hearing	
1451 1,510	1451 1,510	1451	Petition to institute a public use proceeding	
1452 110	2452 55	2452	Petition to revive - unavoidable	
1453 1,330	2453 665	2453	Petition to revive - unintentional	
1501 1,330	2501 665	2501	Utility issue fee (or reissue)	
1502 480	2502 240	2502	Design issue fee	
1503 640	2503 320	2503	Plant issue fee	
1460 130	1460 130	1460	Petitions to the Commissioner	
1807 50	1807 50	1807	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	1806	Submission of Information Disclosure Stmt	
8021 40	8021 40	8021	Recording each patent assignment per property (times number of properties)	40.00
1809 770	2809 385	2809	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	2810	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	2801	Request for Continued Examination (RCE)	
1802 900	1802 900	1802	Request for expedited examination of a design application	

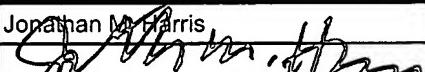
Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Jonathan M. Harris	Registration No. (Attorney/Agent)	44,144	Telephone	(713) 238-8000
Signature		Date	January 15, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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